

Product datasheet for **AM33364PU-N**

Streptococcus pneumoniae Mouse Monoclonal Antibody [Clone ID: B1399M]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B1399M
Applications:	ELISA, IF
Recommended Dilution:	ELISA. Immunofluorescence.
Reactivity:	Streptococcus pneumoniae
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	Purified <i>Strep. pneumoniae</i> common cell wall polysaccharide.
Specificity:	This Monoclonal B1399M antibody is reactive with the <i>Streptococcus pneumoniae</i> common C-polysaccharide, phosphorylcholine epitope.
Formulation:	0.01 M PBS, pH 7.2 State: Purified State: Liquid purified IgG fraction (> 90% pure) Stabilizer: None Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



[View online »](#)

Background:

Streptococcus pneumoniae are Gram positive diplococci, alpha hemolytic aerotolerant anaerobes. *S. pneumoniae* is a significant human pathogen, being recognized as a major cause of pneumonia in the late 19th century, and is currently the subject of many humoral immunity studies.

S. pneumoniae is a transient member of the normal flora, colonizing the nasopharynx of 40% of healthy adults and children with no adverse effects. There are more than 90 serotypes: serotypes 6, 14, 18, 19, and 23 are the most prevalent accounting for 60-80% of infections depending on the area of the world. Pneumococcal infection accounts for more deaths than any other vaccine preventable bacterial disease.

S. pneumoniae can express several different virulence factors which contribute to some of the clinical manifestations seen during infection.